

Received 11/13/81
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CRUISE REPORT

1. "Neecho"
2. --- 81-3
3. A geophysical study of glacial deposits and bedrock on the inner continental shelf of New Hampshire
4. National Science Foundation
5. \$35,920
6. OCE 80-18299
7. June 1, 1981 to Nov 30, 1983
8. continental shelf between Portsmouth, NH, and Newburyport, MA, out to 100 m contour
9. June 19, 1981 - June 30, 1981
10. Francis S. Birch
11. Francis S. Birch, Associate Professor of Earth Sciences, University of NH
Wang Guo-jiang, graduate student, Earth Sciences, University of New Hampshire
Ken Parolski, USGS, boat operator
and/or
Frank Jennings, USGS, boat operator
Jack Connell, USGS, technician
12. To map glacial and post-glacial sediments
To map bedrock
13. Loran-C
14. a. side-scan sonar Edo Western model 606 recorder, model 602 fish
b. proton magnetometer Varian U-75 with HP 7128-A recorder
c. seismic profiler EG&G "uniboom" with model 234 source
Teledyne Exploration model 300 amplifier
Krohn-Hile model 3550 R filter
EPC model 4100 facsimile recorder
d. 3.5 kHz profiler EPC model 3200 recorder
Ratheon PTR transceiver
15. a. 11 days at sea
b. uniboom: ~480 km 259 nm side-scan: ~325 km 175 nm
mag: ~150* km 3.5: <100* km
* very poor quality because of instrument malfunction
c. --- none
d. --- none
16. attached
17. Photocopies of logs and a large track chart have been supplied to R.N. Oldale
- 8108

